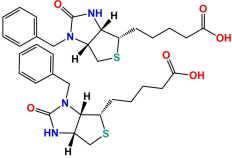


## CERTIFICATE OF ANALYSIS

Date: 05-07-2024

|                                       |   |                         |       |
|---------------------------------------|---|-------------------------|-------|
| <b>Product Name</b>                   | Biotin EP Impurity E  |                         |       |
| <b>Chemical Name</b>                  | 5-[(3aS,4S,6aR)-1-Benzyl-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl]pentanoic acid and 5-[(3aS,4S,6aR)-3-benzyl-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl]pentanoic acid |                         |       |
| <b>Structure</b>                      |    |                         |       |
| <b>Batch No.</b>                      | NA  | <b>CAS No.</b>          | NA    |
| <b>Analysis Date</b>                  | NA  | <b>Retest Date</b>      | NA    |
| <b>Molecular Formula</b>              | C <sub>34</sub> H <sub>44</sub> N <sub>4</sub> O <sub>6</sub> S <sub>2</sub>  | <b>Molecular Weight</b> | 668.9 |
| <b>Long term Storage Condition</b>    | NA  |                         |       |
| <b>Handling and Transit Condition</b> | NA  |                         |       |

| Test   | Result |
|--|--------|
| NA   |        |
| <p><b>Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.</b></p> |        |

|                  | Prepared By | Checked By | Approved By |
|------------------|-------------|------------|-------------|
| <b>Signature</b> |             |            |             |
| <b>Date</b>      |             |            |             |